

CONTENT ABSTRACTION LAYER FOR USE IN HOME NETWORK APPLICATIONS

ABSTRACT OF THE DISCLOSURE

A network architecture for a network of electronic devices includes a device layer having a plurality of electronic devices interconnected using a network backbone, wherein the plurality of electronic devices each operate using a device native communication protocol. The architecture also includes a device abstraction layer (DAL) which communicates with each of the devices using the device native communication protocols and also presents a unified communication interface to a content abstraction program interface. The content abstraction program interface communicates with the device layer through the unified communication interface of the DAL and includes a set of content services for controlling content on the network. In one embodiment the content abstraction program interface includes a content location system (CLS), a content change notification system (CCNS), and a content engagement system (CES).